Abstract

The present invention relates to an apparatus and method for diagnosing faults in hot strip finishing rolling, which diagnoses thickness faults in hot strip finishing rolling, using preset data and real-time data on rolling and control conditions, equation models representing control and physical phenomena and a database constructed based on operation experiences.

The present invention comprises: a Supervisory Control Computer (SCC); an actually measured data collection unit; an exit side thickness gauge loaded-on determination unit; a part identification unit; an on-gauge ratio calculation unit; a primary fault determination unit; a secondary fault determination unit; and a confidence rate evaluation unit.